

Title (en)  
UNIVERSAL TIRE PRESSURE SENSOR

Title (de)  
UNIVERSELLER REIFENDRUCKSENSOR

Title (fr)  
CAPTEUR DE PRESSION DE PNEU UNIVERSEL

Publication  
**EP 2982524 B1 20180523 (DE)**

Application  
**EP 15176998 A 20150716**

Priority  
• DE 102014111326 A 20140808  
• DE 102014111968 A 20140821

Abstract (en)  
[origin: US2016039254A1] A tire pressure sensor for motor vehicles, includes a housing, which accommodates an integrated circuit (sensor IC), having a microcontroller and a pressure sensor. The microcontroller transfers pressure measurement values to a separate receiver device by wireless communication. The sensor IC has an internal memory, in which executable instructions and data can be stored, which, when executed, result in the acquisition and transference of the pressure measurement data. A power supply is disposed in the housing, and coupled to the sensor IC which is coupled to an auxiliary memory module disposed in the housing. Numerous different data packets, with respective instructions or data, are stored in the memory module. The auxiliary memory module can be activated via the microcontroller, in order to copy a selected data packet into the internal memory. The auxiliary memory module is coupled to the microcontroller of the sensor IC by a serial data interface.

IPC 8 full level  
**B60C 23/04** (2006.01)

CPC (source: EP US)  
**B60C 23/02** (2013.01 - US); **B60C 23/0454** (2013.01 - EP US); **B60C 23/0471** (2013.01 - EP US)

Citation (examination)  
BINWEN HUANG: "Design of Direct-Type Tire-Pressure Monitoring System Based on SP37 Sensor", SENSORS & TRANSDUCERS, 1 December 2013 (2013-12-01), Toronto, pages 74 - 79, XP055360476, Retrieved from the Internet <URL:http://www.sensorsportal.com/HTML/DIGEST/december\_2013/PDF\_vol\_160/P\_1580.pdf> [retrieved on 20170330]

Cited by  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
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DE 102014111968 A1 20160211; KR 102364988 B1 20220218; KR 20160018395 A 20160217; US 2016039254 A1 20160211;  
US 9446635 B2 20160920

DOCDB simple family (application)  
**EP 15176998 A 20150716**; CN 201510484886 A 20150807; DE 102014111968 A 20140821; KR 20150110505 A 20150805;  
US 201414539159 A 20141112